

ONE-PIECE REFLECTIVE PAVEMENT MARKER AND METHOD OF MAKING

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ABSTRACT

A process of monolithically forming one-piece reflective pavement marker or delineator, including at least one retro reflective face. The process is based on molding the pavement marker or delineator with means to integrally form cube-corner reflective elements and internal hollow cavity air gaps simultaneously. The pavement marker also provides means to enhance agglutination to the roadway. The open ends of hollow cavities at the marker base can be sealed, thereby maximizing the base area for adhesive wetting parameter.

The monolithically formed reflective marker can be made, either from one type of plastic, or from two polymers with varied specifications, said polymer is to be from high impact and abrasion resistance thermoplastics. The integrally formed reflective face provided with means to form cube-corner reflective elements on designated cell like areas within the inside surface of said reflective face. The reflective pavement marker further provided with means to enhance abrasion resistant surface.